

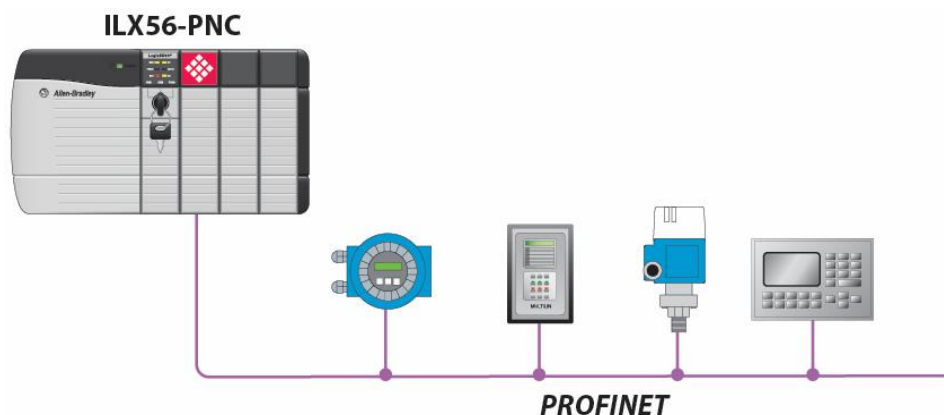
PROFINET Controller Module for ControlLogix[®] ILX56-PNC

The ILX56-PNC PROFINET Controller module allows Rockwell Automation[®] ControlLogix[®] processors to communicate on a PROFINET RT protocol network with up to 64 PROFINET devices.

The module provides the ability to pass up to 4096 bytes of input and output data as high-speed cyclic I/O data on a PROFINET RT network.

Combined with the use of multiple I/O connections back to the ControlLogix processor, this module provides data update rates that will meet even the most demanding of PROFINET RT applications.

In addition, with the use of the PLX50 Configuration Utility you have advanced features such as an Add-On Profile and custom-built Add-On Routines to minimize the amount of time and effort in getting a ControlLogix PAC operating on a PROFINET RT network.



Features

- ❖ PROFINET RT Controller mode allows communications with up to 64 devices with a maximum of 4096 bytes of cyclic I/O data
- ❖ Supports Acyclic parameter data exchange
- ❖ Add-On Profile and custom Add-On Routines are provided to allow seamless integration to Studio 5000
- ❖ Media Redundancy Protocol (MRP) as well as PROFINET Controller S2 Redundancy

PROFINET RT Controller Specifications

Specification	Description
Controller Support	Cyclic data exchange with up to 64 PROFINET Devices
Input/Output	Maximum 1440 Bytes per device
Input Data	Maximum of 4096 bytes of Input Data per module
Acyclic Data	Parameter Data via Read/Write Record
Status Data	76 Bytes
Output Data	Maximum 4096 Bytes of Output Data per module
Redundancy	Higher availability through Media Redundancy Protocol (MRP) ring redundancy

Hardware

Specification	Description
PROFINET Interface	10/100/1000 MB with MRP
Power Supply	600 mA @ 5Vdc 2 mA @ 24 Vdc
Dimensions	Standard 1756 Single-slot module
Burst	EN 61000-4-4, 2 kV, 5 kHz
Surge	EN 61000-4-5, 2 kV Common mode, 1 kV differential mode
ESD	EN 61000-4-2, 4 kV contact, 8 kV air, 4 kV indirect
Radiated/Conducted Immunity	EN 61000-4-3, 10 V/m, 30 to 1000 MHz, 80% AM, 1 kHz sine wave
	EN 61000-4-6, 10 V, 0,15 to 80 MHz
Radiated/Conducted Emission	EN 55011 Class A
Vibration/Shock (operating)	IEC 600068-2-6, 10 to 500 Hz, $\pm 0,75$ mm, ± 2 g, 1 Octave/min
	IEC 600068-2-27, 30 g, 11 ms
Operating Temperature	0°C to 60°C (32°F to 140°F)
	ILX56-PNC-CC: -25°C to 70°C (-13°F to 158°F)
Relative Humidity	5% to 95% (non-condensing)

Agency Approvals & Certifications

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